

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jang-keun OH et al.

Application No: 10/840,230

Filed: May 7, 2004

For: CYCLONE SEPARATING APPARATUS AND VACUUM CLEANER HAVING

Group Art Unit: 1724

Confirmation No. 9692

Examiner: Robert A. HOPKINS

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INFORMATION DISCLOSURE STATEMENT

FEB 02 2007

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Sir:

Pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, Applicant(s) wish to make of record the references listed on the attached form PTO/SB/08 (substitute for PTO-1449). Copies of the listed references are attached, where required, as are either statements of relevancy (☐ attached) or any readily available English translations of pertinent portions of any non-English language references.

☒ This Information Disclosure Statement (IDS) is being filed with a Petition to Withdraw from Issue and a Request for Continued Examination (RCE). The Petition and RCE fees are authorized separately. No certification or fee is required for the IDS.

☐ This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐ Each item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in any counterpart foreign application not more than three months prior to the filing of this statement. No fee is required.

☐ No item of information contained in this information disclosure statement was cited for the first time in any communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement. No fee is required.

☐ A check in the amount of \$180.00 is enclosed under 37 CFR §1.17(p).

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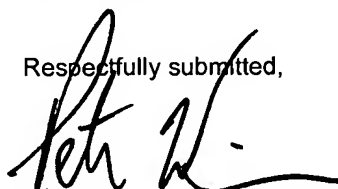
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☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 23-2185. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/840,230
Filing Date	May 7, 2004
First Named Inventor	Jang-keun OH et al.
Art Unit	1724
Examiner Name	Robert A. HOPKINS
Attorney Docket Number	116511.00131

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US 6,746,500	06/08/2004	Park et al.	
		US 1,416,995	05/23/1922	Stroud	
		US 6,582,489	06/24/2003	Conrad	
		US 7,169,201	01/30/2007	Oh et al.	
		US 1,207,034	12/05/1916	Harsant	
		US 1,416,885	05/23/1922	Schreiner	
		US 7,097,680	08/29/2006	Oh	
		US 2005-0050678 A1	03/10/2005	Oh et al.	
		US 3,769,781	11/06/1973	Klein et al.	
		US 5,307,538	05/03/1994	Rench et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		DE 10 2004 028 675	06/14/2004	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 10 2004 028 676	04/07/2005	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 10 2004 028 677	03/31/2005	Samsung Gwangju Electronics Co. Ltd.		Abstract
		GB 2374305	10/16/2002	Dyson Ltd.		
		JP S52-14775	02/02/1977			Abstract
		JP 2003-024826	01/28/2003	Casle KK		Abstract
		GB 2406065	03/23/2005	Samsung Gwangju Electronics Co. Ltd.		
		GB 2360719	10/03/2001	Notety Ltd.		
		GB 2381484	05/07/2003	Polar Light et al.		
		WO 02/067756	09/06/2002	Dyson Ltd.		

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FOREIGN PATENT DOCUMENTS - CONTINUED

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		GB 835884	05/25/1960	Theodore Rufus Naylor		
		GB 2377656	01/22/2003	Samsung Gwangju Electronics Co. Ltd.		
		GB 2375980	08/13/2003	Samsung Gwangju Electronics Co. Ltd.		
		CN 1389175	01/08/2003	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2003-116752	04/22/2003	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2002-172077	06/18/2002	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2002-051951	02/19/2002	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 2811536	11/09/1978	The Bauer Bros. Co.		Yes (partial)
		WO 01/95780	12/20/2001	Fantom Technologies, Inc.		Abstract
		CN 1422187	06/04/2003	Dyson Ltd.		Abstract
		CN 1434688	08/06/2003	LG Electronics, Inc.		Abstract
		WO 00/44272	09/02/1999	Sundstrand Corp.		
		WO 03/30702	04/17/2003	Arcelik A.S.		
		WO 01/74493	10/11/2001	Dyson Ltd.		
Examiner Signature				Date Considered		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	✓	GERMAN PATENT AND TRADEMARK OFFICE, Office Action dated July 4, 2006, with respect to German Application No. 102004028677.9 filed on June 14, 2004	Yes
	✓	CANADIAN PATENT OFFICE, Office Action issued August 17, 2006, with respect to Canadian Patent Application No. 2,469,533 filed on June 2, 2004	
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004118404	
	✓	FRENCH PATENT OFFICE, Search Report issued April 12, 2006, with respect to French Patent Application No. 0406487 filed on June 15, 2004	
	✓	BRITISH PATENT OFFICE, Combined Search and Examination Report issued October 29, 2004, with respect to British Patent Application No. 0412903.7	
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004120073	Yes
	✓	CHINESE PATENT OFFICE, Office Action issued January 20, 2006, in connection with Chinese Patent Application No. 200410049219.7 filed on June 2, 2004	Yes
	✓	SPANISH PATENT OFFICE, State of the Art Report issued April 17, 2006, with respect to Spanish Patent Application No. 200401753, filed on July 16, 2004	
	✓	JAPANESE PATENT OFFICE, Office Action issued June 20, 2006 with respect to Japanese Patent Application No. 2004-46393 filed on February 23, 2004	
	✓	GERMAN PATENT OFFICE, Office Action issued July 11, 2006 with respect to German Patent Application No. 102004028678.7 filed on June 14, 2004	Yes
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004121431	Yes
	✓	CHINESE PATENT OFFICE, Office Action issued January 6, 2006, with respect to Chinese Patent Application No. 200410049132.X	Yes
	✓	SPANISH PATENT OFFICE, Office Action issued March 16, 2006, with respect to Spanish Patent Application No. 200401731	
	✓	KOREAN PATENT OFFICE, Office Action issued July 29, 2005, with respect to Korean Patent Application No. 2003-63211 filed on September 9, 2003	

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